

19 Feb

Work Order ID 139977

139977

Page 1

December 16, 2015 9:26:08 AM

Item ID: 646.4001 Accept *N900040100* Setup Start *NS1*
Revision ID: Stop *NS2*
Item Name: AS350 Cable Cutter System
Start Date: 12/16/2015 Start Qty: 1.00 *1* Cust Item ID:
Required Date: 1/8/2016 Req'd Qty: 1.00 *1* Customer:
Reference:

Approvals: Process Plan: SA Date: 20151216 Tooling: _____ Date: _____ Run Start *NR1*
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr								
646.4000	B C1								

100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP 646.4001								

110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									

120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

① 16-02-13 DAS 9 9-89

DAS 6 9-89 FEB 09 2016

① 16-02-13 DAS 9 9-89

Picklist Print

December 16, 2015 9:26:12 AM

Page 1

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM
IPP REV:B 15.01.08 AS PER DWG REV.B DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 *646 3301* Upper Cutter Assy		Manufactured	No				Each	7.0000		1			
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				cck018			7						
				136156			2						
				136497			5						
646.3001 *646 3001* Lower Cutter Assy		Manufactured	No				Each	0.0000		1			
646.2910 *646 2910* Deflector		Manufactured	No				Each	8.0000		1			
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				CCK050			8						
				136136			8						
646.3810 *646 3810* Bracket		Manufactured	No				Each	10.0000		2			
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				CCK106			10						
				136186			10						

FEB 18 2016

Picklist Print

December 16, 2015 9:26:12 AM

Page 2

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3510	DAS 9 9-89	Manufactured	No	Each	6.0000	1	**	140061	DAS 6 9-89	DAS 27 9-89
646 3510										
Strut										
		<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
		cck104		6						
		136114		6						
646.3511	DAS 9 9-89	Manufactured	No	Each	5.0000	1	**	140125	DAS 6 9-89	DAS 27 9-89
646 3511										
Strut										
		<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
		cck104		5						
		136169		5						
647.0112	DAS 9 9-89	Manufactured	No	Each	91.0000	2	**		DAS 6 9-89	DAS 27 9-89
647 0112										
Strut Bracket										
		<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
		CCK007		91						
		M130388		91						
647.7703	DAS 9 9-89	Manufactured	No	Each	8.0000	2	**	139295	DAS 6 9-89	DAS 27 9-89
647 7703										
Strut Assembly										
		<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>					
		CCK114		8						
		136459		4						
		138238		4						

FEB 18 2016

AS1608.16

NASH19 F0363P DAS
9
9-89 X2 124555

DAS
6
9-89

DAS
27
9-89

Picklist Print

December 16, 2015 9:26:12 AM

Page 3

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

Each

1,657.000

NAS1149F0332P

DAS

9

Washer

9-89

**

144
138 per ECN 10-503 mt
DAS 6 27
9-89 9-89

Location

Loc Qty

Loc Code

ST262

1657

m133709

1657

Each

1,830.000

134055

61

MS21042L3

Purchased

No

MS21042L3

DAS

9

Nut

9-89

**

134039

DAS 6 27
9-89 9-89

Location

Loc Qty

Loc Code

FP001

188

m133790

188

GA

279

m133790

279

ST304

1363

m133790

1363

Each

8.0000

1

646.3110

Manufactured

No

646 3110

DAS

9

Channel

9-89

**

140111

DAS 6 27
9-89 9-89

Location

Loc Qty

Loc Code

cck020

8

136153

2

136492

6

Each

15.0000

1

646.3710

Manufactured

No

646 3710

DAS

9-89

Doubler

**

DAS 6 27
9-89 9-89

Location

Loc Qty

Loc Code

CCK002

15

127550

15

December 16, 2015 9:26:12 AM

Shop Packet Print

Page 3

FEB 18 2016

Picklist Print

December 16, 2015 9:26:12 AM

Page 4

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3210 Manufactured No

Each 10.0000 1

646 3210 DAS
9
9-89
Support

DAS
6
9-89
27
9-89

Location

Loc Qty

Loc Code

cck020

10

135549

1

136217

9

646.3713 Manufactured No

Each 6.0000 1

646 3713 DAS
9
9-89
Gusset

138246 140084

DAS
6
9-89
27

Location

Loc Qty

Loc Code

cck105

6

120631

6

Each

61.0000

5

MS24694-S51 Purchased No

MS24694-S51 DAS
9
9-89
Screw

Location

Loc Qty

Loc Code

ST284

61

m130928

61

Each

46.0000

1

AN3-13A Purchased No

AN3-13A DAS
9
9-89
Bolt

Location

Loc Qty

Loc Code

CA

3

m129682

3

GA

20

m127070

20

ST349

23

m131305

23

DAS
6
9-89
27

DAS
6
9-89
27
FEB 18 2016

Picklist Print

December 16, 2015 9:26:12 AM

Page 5

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-4A Purchased No

Each 178.0000 10

AN3-4A

DAS
9
9-89

Bolt

**

m13390 x1

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

m133694

100

ST350

78

m129682

13

m133234

65

CR3213-5-3

DAS
9
9-89

Purchased No

CR3213-5-3

Cherry Rivet

**

14

132677

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST319

116

m130388

16

m132763

100

MS20470AD5-5.5

Purchased No

MS20470AD5-5.5

Rivet

**

Each 127.0000

8

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST309

127

123425

127

646.3711

DAS
9
9-89

Manufactured No

646 3711

Clip

**

Each 26.0000

1

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

26

120626

26

December 16, 2015 9:26:12 AM

Shop Packet Print

Page 5

FEB 18 2016

Picklist Print

December 16, 2015 9:26:12 AM

Page 6

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3712

Manufactured No

Each

16.0000

1

646 3712

Clip

DAS
9
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

16

101119

1

120630

15

Each

12.0000

1

646.3811

Manufactured No

646 3811

Radius Block

DAS
9
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

12

122938

12

Each

148.0000

2

AN3-6A

Purchased No

****AN3-6A***

Bolt

DAS
9
9-89

**

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

100

M133561

100

ST338a

48

M131305

48

Each

76.0000

13

MS24694-S55

Purchased No

MS24694-S55

Screw

DAS
9
9-89

**

DAS
6
9-89

FEB 18 2016

Location

Loc Qty

Loc Code

ST289

76

m132803

76

MS1149FO

December 16, 2015 9:26:12 AM

Shop Packet Print

Page 6

Picklist Print

December 16, 2015 9:26:12 AM

Page 7

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3610 Manufactured No

Each 5.0000

1

646 3610

Filler

DAS
9
9-89

**

140240

Location

Loc Qty

Loc Code

cck104

5

136278

5

Each

8.0000

1

646.3714

Manufactured No

646 3714

Gusset

DAS
9
9-89

**

140048

Location

Loc Qty

Loc Code

cck105

8

120632

8

Each

1,008.000

8

MS20470AD5-6

Purchased No

MS20470AD5-6

RIVET

DAS
9
9-89

**

Location

Loc Qty

Loc Code

CCK004

890

124089

890

ST309

118

105433

118

Each

11.0000

2

646.3812

Manufactured No

646 3812

Gusset Bracket

DAS
9
9-89

**

140058

Location

Loc Qty

Loc Code

CCK106

11

136113

6

138194

5

Picklist Print

December 16, 2015 9:26:13 AM

Page 8

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-3A Purchased No

Each 300.0000

AN3-3A

DAS
9
9-89

**

4

134034

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

over003

104

m131624

104

ST350

196

m133483

96

m133833

100

646.3813

Manufactured No

Each 11.0000

646 3813

DAS
9
9-89

**

1

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CCK106

11

127453

1

132541

5

138267

5

MS20470AD5-7

Purchased No

Each 524.0000

MS20470AD5-7

DAS
9
9-89

**

3

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST309

524

123425

524

Rivet

Picklist Print

December 16, 2015 9:26:13 AM

Page 9

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21047-3

Purchased

No

Each

155.0000

18

MS21047-3

DAS
9
9-89

**

133938

Nut Plate

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST301

147

m133234

47

m133577

50

m133790

50

ST303

8

m130388

8

CCR264SS3-02

Purchased

No

Each

398.0000

36

CCR264SS3-02

DAS
9
9-89

**

Rivet, Cherry

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

ST321

398

M132317

4

M133134

2

M133316

192

M133790

200

AN3-5A

DAS
9
9-89

Purchased

No

Each

161.0000

2

AN3-5A

Bolt

**

Location

Loc Qty

Loc Code

FP001

30

m133686

30

ST350

131

m133686

131

DAS
6
9-89

DAS
27
9-89

FEB 18 2016

Picklist Print

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3715 Manufactured No

Each 5.0000 2

646 3715 DAS
9
9-89
Strut Doubler

**

139892

DAS
27
6
9-89

Location Loc Qty Loc Code

cck105 5

135537 5

Each 128.0000

6

MS27039-1-12 Purchased No

MS27039-1-12 DAS
9
9-89
Screw

**

Location Loc Qty Loc Code

over006 100

m133483 100

ST285 28

m133031 28

Each 12.0000

1

646.3716 Manufactured No

646 3716 DAS
9
9-89
Gauge Bracket

**

Location Loc Qty Loc Code

cck105 12

133105 1

136122 3

136410 8

Each 58.0000

2

MS20426AD5-7 Purchased No

MS20426AD5-7 DAS
9
9-89
RIVET

**

133922

Location Loc Qty Loc Code

ST311 58

101340 8

M132767 50

DAS
27
6
9-89

FEB 18 2016 DAS
6
9-89

Picklist Print

Page 11

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS24694-S54

Purchased

No

Each

102.0000

2

MS24694-S54

DAS

9

9-89

SCREW

Location

Loc Qty

Loc Code

ST284

102

m133031

2

m133134

100

Each

396.0000

4

MS27039-1-21

Purchased

No

MS27039-1-21

DAS

9

9-89

Screw

Location

Loc Qty

Loc Code

over006

245

m127904

245

ST279

150

m127904

150

ST284

1

m126319

1

Each

190.0000

2

MS27039-1-20

Purchased

No

MS27039-1-20

DAS

9

9-89

Screw

Location

Loc Qty

Loc Code

ST284

190

124326

190

Each

134.0000

22

MS27039-1-19

Purchased

No

MS27039-1-19

DAS

9

9-89

Screw

Location

Loc Qty

Loc Code

GA

4

m124326

4

ST280

130

m133134

130

FEB 18 2016

December 16, 2015 9:26:13 AM

Shop Packet Print

Page 11

Picklist Print

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3717 DAS Manufactured No

646 3717

Doubler

DAS
9
9-89

Each 7.0000

**

1

138175

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

cck105

7

120633

7

646.3718 DAS Manufactured No

646 3718

Custom Washer

DAS
9
9-89

Each 0.0000

**

2

136223

DAS
6
9-89

DAS
27
9-89

646.3719 DAS Manufactured No

646 3719

Doubler

DAS
9
9-89

Each 8.0000

**

2

139893

Location

Loc Qty

Loc Code

cck105

8

120634

8

MS27039-1-10 DAS Purchased No

MS27039-1-10

SCREW

DAS
9
9-89

Each 167.0000

**

2

134166

DAS
6
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

41

m128635

41

GA

50

m129541

50

ST280

73

m132677

73

ST285

3

m123522

2

m132640

1

DAS
6
9-89

DAS
27
9-89

FEB 19 2016

Picklist Print

December 16, 2015 9:26:13 AM

Page 13

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-11A

Purchased

No

Each

154.0000

10

AN3-11A

DAS

9

9-89

Bolt

**

133992

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

over003

150

m133363

50

m133561

100

ST349

4

m133234

4

600.0990

Purchased

No

Each

19.0000

1

600 0990

DAS

9

9-89

Magnabond 6398 Part A

**

133938

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CA

12

M133800

12

PKG

7

M131589

7

2/11/2016

600.0991

Purchased

No

Each

20.0000

1

600 0991

DAS

9

9-89

MAGNOBOND 6398 PART B

**

133938

DAS

6

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

CA

12

m133800

12

PKG

8

m131589

8

2/11/2016

SEP 09 2017
FEB 18 2016

Picklist Print

Page 14

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

600.1012 Purchased No

600 1012

Sealant PR1425B2 (#654 sem)

DAS
9
9-89

SEP 09 2017

Location

Loc Qty

Loc Code

cck017

18

m133515

8

m133800

8

m133380

2

6/1/2016

cck018

1

m131364

1

10/30/2015

f

541.0000

8

**

1
133938

DAS
27
9-89
6
9-89

600.0129 Purchased No

600 0129

VHB TAPE 75935A651

DAS
9
9-89

SEP 09 2017

11/15 up pake

Location

Loc Qty

Loc Code

CCK095

541

m127920

325

m131311

216

8

DAS
27
9-89
6
9-89

600.1013 Purchased No

600 1013

021200-3M TAPE PRIMER 94 PRIMER 24216

DAS
9
9-89

Location

Loc Qty

Loc Code

CCK095

875

m131145

875

6/15/2016

Each

4.0000

5

**

5

DAS
27
9-89
6
9-89

646.3910 Manufactured No

646 3910

Shim

DAS
9
9-89

Location

Loc Qty

Loc Code

CCK106

4

122951

4

134478

DAS
27
9-89
6
9-89

FEB 18 2016

December 16, 2015 9:26:13 AM

Shop Packet Print

Page 14

Picklist Print

Page 15

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

646.3911 Manufactured No

646 3911 DAS
9
Shim 9-89

Each 66.0000 1

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

cck104 18

126229 18

CCK106 48

126059 48

646.3912 Manufactured No

646 3912 DAS
9
Shim 9-89

Each 36.0000 4

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

cck023a 10

124501 10

CCK106 26

123143 26

646.3913 Manufactured No

646 3913 DAS
9
Shim 9-89

Each 105.0000 1

DAS
6
9-89

DAS
27
9-89

Location Loc Qty Loc Code

cck023aq 81

126060 81

CCK106 24

124108 24

FEB 18 2016

Picklist Print

December 16, 2015 9:26:13 AM

Page 16

Work Order ID: 139977

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter System

139977

646 4001

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN3-12A Purchased No

Each 109.0000 2

AN3-12A DAS
9
9-89
Bolt

**

DAS
6 27
9-89

Location	Loc Qty	Loc Code
GA	5	
m129682	5	
ST349	104	
m133064	16	
m133234	88	

MS27039-1-16 Purchased No

Each 132.0000

MS27039-1-16 DAS
9
9-89
Screw

**

2 per ECN-16-503
224 mt 16-1-13
134023

DAS
6 27
9-89

Location	Loc Qty	Loc Code
ST285	132	
m130388	4	
m131317	28	
m132344	100	

650.9201 Manufactured No

Each 3.0000 2

650 9201 DAS
9
9-89
Eyelet Bracket Assembly

**

136606

DAS
6 27
9-89

Location	Loc Qty	Loc Code
cck127	3	
136204	3	

AN44-5A Purchased No

Each 24.0000 2

AN44-5A DAS
9
9-89
Eyebolt

**

Location	Loc Qty	Loc Code
ST339	24	
m126193	4	
m133134	8	
m133790	12	

DAS
6 27
9-89

FEB 09 2016

2

December 16, 2015 9:26:13 AM

Shop Packet Print

Page 16

Picklist Print

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

AN665-34R Purchased No

Each 42.0000 2

AN665-34R

DAS
9
9-89

DAS
6
9-89

Clevis

Location	Loc Qty	Loc Code
ST330	42	
M130388	4	
M133483	8	
M133523	30	

2

AN4C7A Purchased No

Each 82.0000 2

AN4C7A

DAS
9
9-89

DAS
6
9-89

BOLT

Location	Loc Qty	Loc Code
OVER002	20	
m133523	20	
ST340	20	
m133363	20	
ST345	42	
m127363	22	
m133790	20	

2

NAS1149F0432P Purchased No

Each 704.0000 4

NAS1149F0432P

DAS
9
9-89

133936

DAS
6
9-89
FEB 09 2016

WASHER

Location	Loc Qty	Loc Code
ST262	534	
M132551	34	
M133709	500	
st268	170	
M128995	45	
M132677	125	

DAS SEE ATTACHED
22 6MAR
9-89 12-02-19

646.9410 x 1 B

per ECN 16-503

Picklist Print

Page 18

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

Each

3,335.000

2

MS21042L4

DAS

9

9-89

Locknut

Location

Loc Qty

Loc Code

FP001

137

m133363

137

GA

49

m127813

49

ST260a

92

m130799

56

m132262

36

ST303

2924

m133769

2924

ST305

133

m128300

8

m130388

4

m130922

97

m132123

24

AN316C4R

Purchased

No

Each

89.0000

2

AN316C4R

DAS

9

9-89

NUT

Location

Loc Qty

Loc Code

ST331

89

m133234

43

m133523

46

MS21042-3

MS21042L3

Purchased

No

Each

18.0000

2

MS21042-3

DAS

9

9-89

Nut / use MS21042L3

Location

Loc Qty

Loc Code

ST304

18

M129682

18

FEB 09 2016

December 16, 2015 9:26:13 AM

Shop Packet Print

Page 18

Picklist Print

Page 19

December 16, 2015 9:26:13 AM

Work Order ID: 139977

139977

Parent Item: 646.4001

646 4001

Parent Item Name: AS350 Cable Cutter System

Start Date: 12/16/2015

Required Date: 1/8/2016

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

Each

344.0000

2

MS27039-08-13

Screw

**

DAS
6
9-89
27
9-89

Location

Loc Qty

Loc Code

ST277

340

124326

340

ST281

4

M130388

4

2

MS21042-08

MS21042L08

Purchased

No

Each

33.0000

2

MS21042-08

USE MS21042L08

**

DAS
6
9-89
27
9-89

Location

Loc Qty

Loc Code

ST304

25

122815

25

ST306

8

m130388

8

M133922

NAS1149FN832P

Purchased

No

Each

4,549.000

4

NAS1149FN832P

Washer

**

FEB 09 2016

Location

Loc Qty

Loc Code

GA

103

M133316

103

ST260a

2500

M133769

2500

ST262

1946

M133709

1946

4

ADD MS24693-C278 x 5 133996
per ECN
16-503

DAS
6
27
9-89

December 16, 2015 9:26:13 AM

Shop Packet Print

Page 19

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04731			SHEET 1 OF 2	
	DWG NO. 646.4000	REV: A	PREPARED BY J. SOTO	DATE: 11/04/2014	EFFECT ON DWG ☒ INC. ☐ UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT				
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF. NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED BOM. INCORPORATED ECN 03046 AND 03079.				

20151216

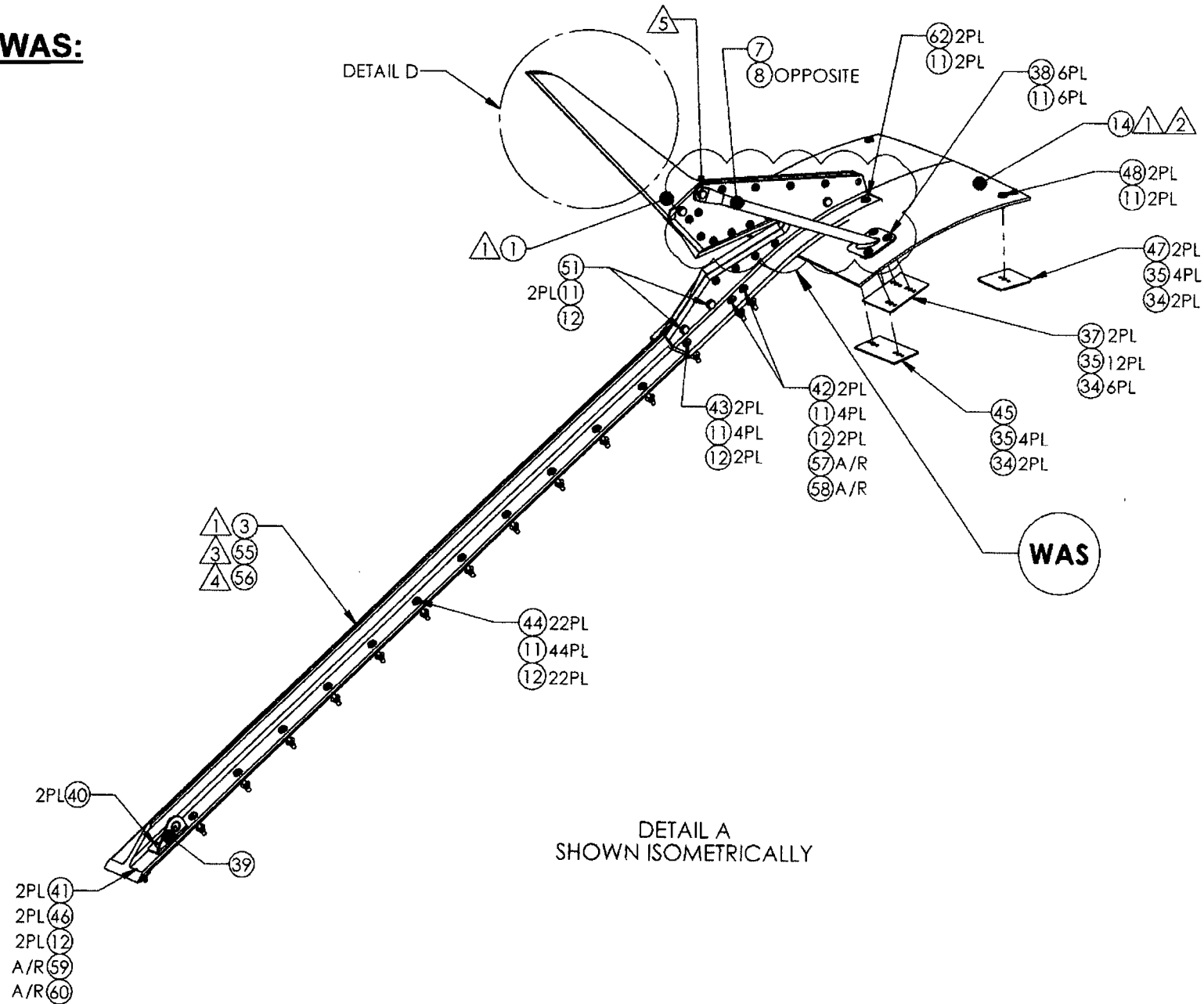
SH 139977

76	A	601.2764	4	4	WASHER	NAS1149FN832P
75	A	601.2973	2	2	LOCKNUT	MS21042-08
74	A	601.2988	2	2	SCREW	MS27039-0813
73	A	601.2943	2	2	LOCKNUT	MS21042-3
72	A	601.3128	2	2	NUT	AN316C4R
71	A	601.3209	2	2	LOCKNUT	MS21042L4
70	A	601.2638	4	4	WASHER	NAS1149F0432P
69	A	601.2669	2	2	BOLT	AN4C7A
68	A	601.3119	2	2	CLEVIS	AN665-34R
67	A	601.3121	2	2	EYE BOLT	AN44-57
66	A	650.9201	2	2	EYE BRACKET ASSY	
51	R	601.2926	10	10	BOLT	AN3-11A
12	R	601.1624	53	61	LOCKNUT	MS21042L3
11	R	601.1607	120	138	WASHER	NAS1149F0332P
8	R	647.7703	2	2	STRUT ASSY	
7	R	647.0112	2	2	STRUT BRACKET	

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
		.4003 .4001				

DOCUMENTS EFFECTED:	☐ MDL ☒ INSTALL INSTRUCTIONS ☒ ICA ☐ FMS ☒ BOM	CHANGE CATEGORY	DER REVIEW REQUIRED
		☐ MAJOR ☒ MINOR	☐ YES ☒ NO

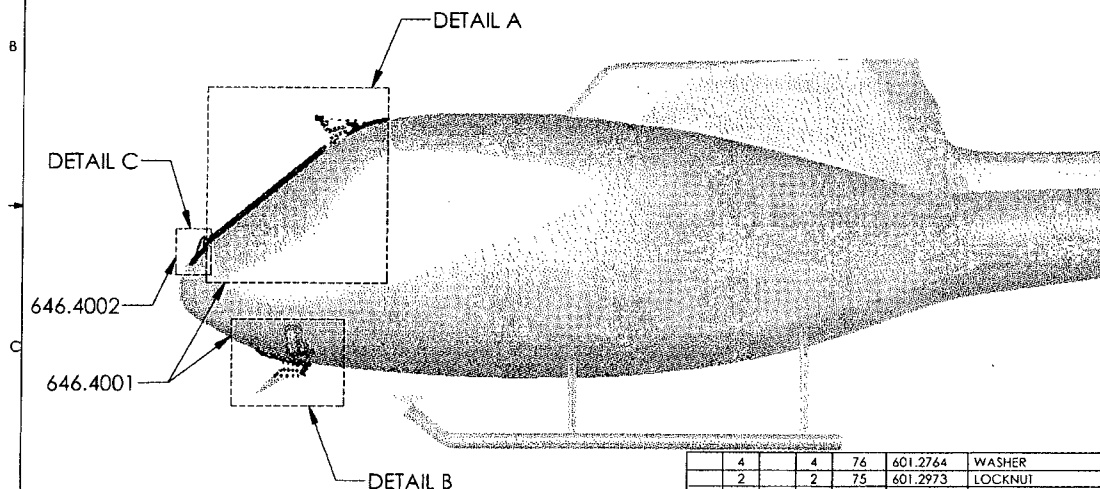
SHEET 2 WAS:



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

- 1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2 INSTALL F/N 14 WITH F/N 52 & 53
- 3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR : MCMMASTER-CARR P/N 75935A651
- 4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5 REUSE FASTENERS FROM F/N 1
- 6 USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT
- 7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1



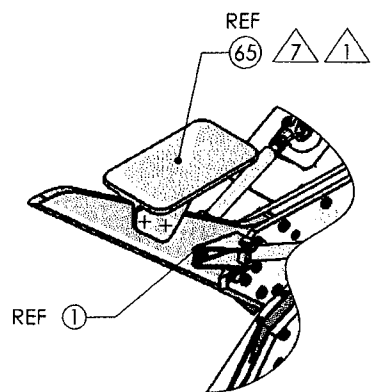
REF ID: A6020128 Item Description						
	4	4	76	601.2764	WASHER	NAST149FNBS2 P
	2	2	75	601.2973	LOCKNUT	MS21042-08
	2	2	74	601.2988	SCREW	MS27039-0B13
	2	2	73	601.2943	LOCKNUT	MS21042-3
	2	2	72	601.3128	NUT	A2316C4R
	?	2	71	601.3209	LOCKNUT	MS21042-4 NAST149FDS2 P
	4	4	70	601.2638	WASHER	
	2	2	69	601.2669	BOLT	ANAC7A
	2	2	68	601.3119	CLEVIS	AN665-34R
	2	2	67	601.3121	EYE BOLT	AN664-A
	2	2	66	650.9201	EYE BRACKET ASSY	
REF	REF		REF	65	647.5701	GWS MOUNT KIT
		6		64	601.3151	WASHER
		2		63	401.2911	SCREW
		2	2	62	401.2637	SCREW
		2	2	61	401.2763	BOLT
		1	1	60	446.3913	SHIM
		4	4	59	446.3912	SHIM
		1	1	58	446.3911	SHIM
		4	4	57	446.3910	SHIM
		5	5	56	600.1013	PRIMER
.0004	.0003	.0002	.0001	FIND #	PART #	DESCRIPTION
						MATL
						SPEC

REV.		DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECHS 02/99, 0235/1, 02/19 & 02/66		03/08/2010	P. BRAVO
B	INCORPORATED ECH 03/04, 0307/8 & 04/31		11/04/2014	P. BRAVO

8 FT	8 FT	55	600.0129	VHB TAPE	
1	1	54	600.1012	SEALANT	PR-142 CLASS B
1	1	53	600.0991	MAGNABOND 6398 PART B	 AN3-11A
1	1	52	600.0990	MAGNABOND 6398 PART A	
10	10	51	601.2826	BOLT	
	2	50	646.3814	WIPER BRACKET	
	2	49	601.2910	SCREW	MS27039-1-18
2	2	48	601.1365	SCREW	MS27039-1-10
2	2	47	646.3719	DOUBLER	
	2	46	646.3718	CUSTOM WASHER	
1	1	45	646.3717	DOUBLER	
22	22	44	601.1948	SCREW	MS27039-1-19
2	2	43	601.1952	SCREW	MS27039-1-20
4	4	42	601.1956	SCREW	MS27039-1-21
2	2	41	601.2829	SCREW	MS26494554
2	2	40	601.2831	RIVET	MS20426A05-7
1	1	39	646.3716	GAUGE BRACKET	
6	6	38	601.1953	SCREW	MS27239-1-12
2	2	37	646.3715	STRUT DOUBLER	
	2	36	601.2824	BOLT	AN3-5A
36	36	35	601.2277	RIVET	CCRN45-362
18	18	34	600.0795	NUT/PLATE	MS21047-3
3	3	33	601.2565	RIVET	MS20470AD5-7
1	1	32	646.3813	STRUT BRACKET	
4	4	31	601.2822	BOLT	AN3-3A
2	2	30	646.3812	GUSSET BRACKET	
8	8	29	601.2564	RIVET	MS20470AD5-6
1	1	28	646.3714	GUSSET	
	1	27	646.3610	FILLER	
	1	26	601.2830	SCREW	MS26494555
2	2	25	601.2825	BOLT	AN3-6A
	1	24	646.3811	RADIUS BLOCK	
	1	23	646.3712	CLIP	
	1	22	646.3711	CLIP	
8	8	21	601.2832	RIVET	MS20470AD5-5.5
14	14	20	601.2020	RIVET	CR3213-5.3
10	10	19	601.2823	BOLT	AN3-4A
	1	18	601.2827	BOLT	AN3-13A
	5	17	601.2912	SCREW	MS26494551
	1	16	646.3713	GUSSET	
	1	15	646.3210	SUPPORT	
	1	14	646.3710	DOUBLER	
	1	13	646.3110	CHANNEL	
8	53	6	601.1624	LOCKNUT	MS21042L3
18	120	16	601.1607	WASHER	NA5114F0332P
		10	646.3410	LH WIPER DEFLECTOR	
		9	646.3411	RH WIPER DEFLECTOR	
	2	8	647.7703	STRUT ASSY	
	2	7	647.0112	STRUT BRACKET	
	1	6	646.3511	STRUT	
	1	5	646.3510	STRUT	
2		4	646.3810	BRACKET	
	1	3	646.2910	DEFLECTOR	
	1	2	646.3001	LOWER CUTTER ASSY	
	1	1	646.3301	UPPER CUTTER ASSY	
X			646.4004	FIXED PROVISIONS KIT	
	X		646.4003	CABT CUTTERS KIT WITHOUT TIEES	
			646.4002	PROVISIONS	
			646.4001	AS350 WIPER DEFLECTOR KIT	
	X		646.4001	AS350 CABLE CUTTERS KIT	
4004	4003	4002	4001	DESCRIPTION	MAT'L SPEC.

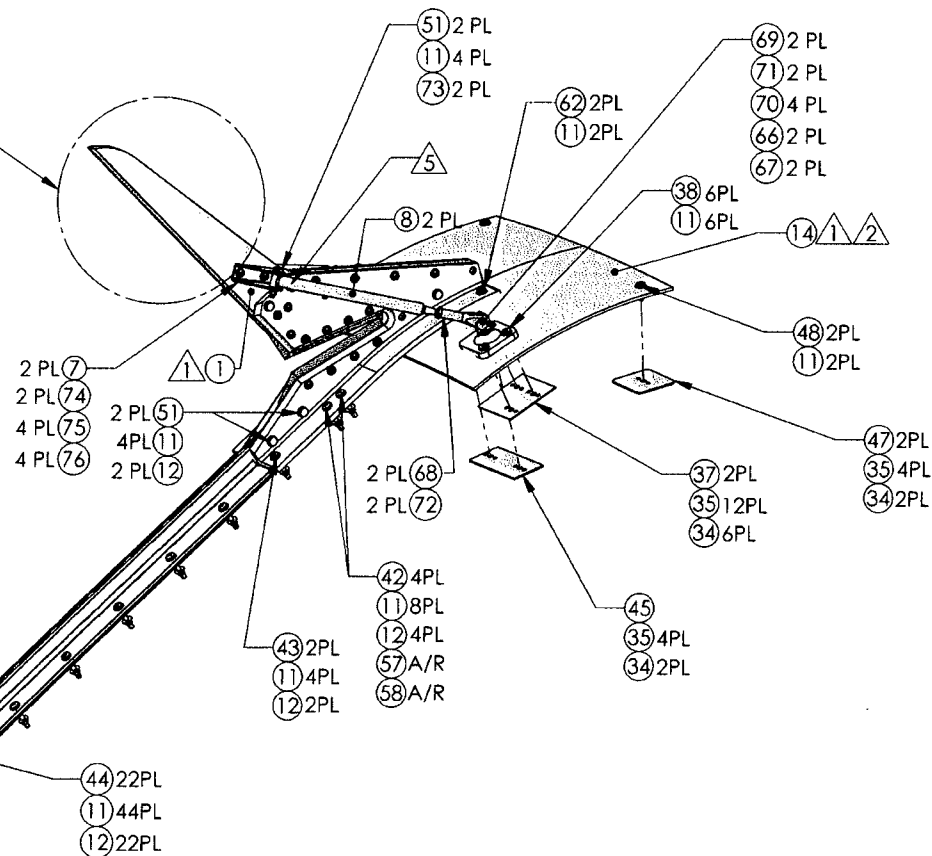
QTY		PARTS LIST	
NEXT ASSY (S)		APICAL INDUSTRIES	
		2608 TEMPLE HEIGHTS DR.	
		OCE	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



DETAIL D
TYPICAL GPS MOUNT KIT INSTALLATION

DETAIL D

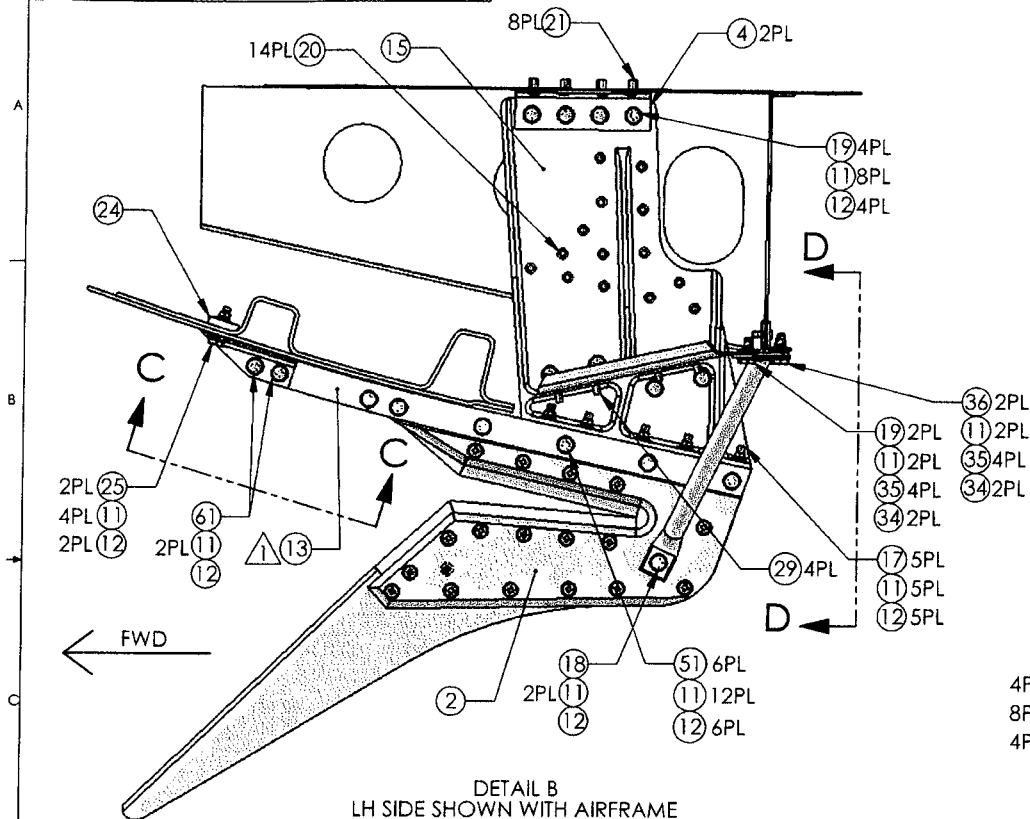


DETAIL A
SHOWN ISOMETRICALLY

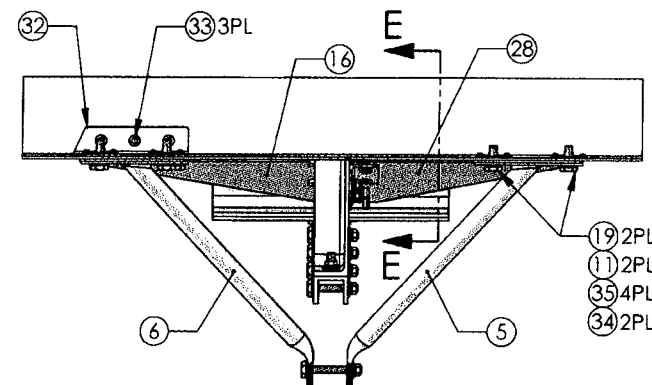
ORIGINAL DATE 10-27-08		APICAL INDUSTRIES	
DRAWN BY V. HUI	CHECKED P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		AS350 CABLE CUTTERS KIT	
CONTRACT NO.		SIZE B	REV. 8
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M16	DWG. NO. 646.4000
SCALE: NONE		SHEET 2 OF 4	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

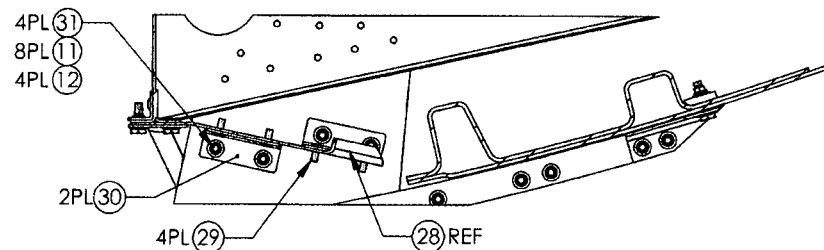
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



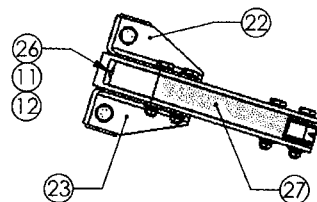
DETAIL B
LH SIDE SHOWN WITH AIRFRAME



SECTION D-D
CUTTER HIDDEN FOR CLARITY



SECTION E-E

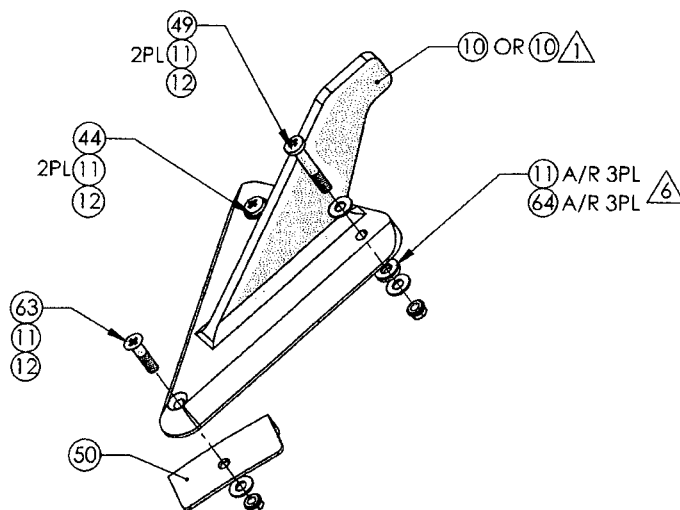


SECTION C-C

ORIGINAL DATE 08-27-08		APICAL INDUSTRIES	
DRAWN BY J. HUFF		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		AS350 CABLE CUTTERS KIT	
DRAWING APPROVAL J. BRAVO		DATE 07M26	QTY. 646.4000
CONTRACT NO.		SCALE NONE	SHEET 3 OF 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE: 06-27-06			
DRAWN BY: S. HUFF			
CHECKED BY: P. BRAVO			
DATE: 06-27-06			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: 2 PLACES DECIMALS ± .01, 3 PLACES DECIMALS ± .005, ANGLES ± .5°			
REV.	CAGE CODE	QTY. NO.	REV.
B	07M26	646.4000	8
SCALE: NONE		SHEET 4 OF 4	

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300
AS350 CABLE CUTTERS KIT

Shirley Hay

From: David Duval
Sent: February 16, 2016 11:22 AM
To: Shirley Hay; Mario Poulin
Subject: FW: 646.9410 Shim

DAVID DUVAL
Production Engineering Coordinator

From: David Duval
Sent: February-03-16 1:58 PM
To: Mario Poulin <mpoulin@dartaero.com>
Subject: FW: 646.9410 Shim

Got it

DAVID DUVAL
Production Engineering Coordinator

From: Mario Poulin
Sent: January-07-16 2:02 PM
To: David Duval <dduval@dartaero.com>
Subject: FW: 646.9410 Shim

Fyi,

Not a show stopper for now, CCK350 (Shim)

Mario,

From: Marc Bellavance
Sent: Thursday, January 07, 2016 1:40 PM
To: Mario Poulin <mpoulin@dartaero.com>
Subject: FW: 646.9410 Shim

Hey Mario,

Here's your answer. I'm thinking that if a customer is requiring a shim we can follow up with a no charge shim or advise that he fabricate his own.

Marc

From: Jacob Becker
Sent: January-07-16 1:12 PM
To: Marc Bellavance <mbellavance@dartaero.com>; Lisa Mansfield <lmansfield@dartaero.com>

Cc: Mario Poulin <mpoulin@dartaero.com>; Sian Willems <swillems@dartaero.com>

Subject: RE: 646.9410 Shim

It's not a show stopper. Currently we advise the customer that they need to shim it if OEM provisions are installed. I have just now included the shim in the kit.

Jacob

From: Marc Bellavance

Sent: Thursday, January 07, 2016 8:59 AM

To: Lisa Mansfield <lmansfield@dartaero.com>; Jacob Becker <JBecker@dartaero.com>

Cc: Mario Poulin <mpoulin@dartaero.com>; Sian Willems <swillems@dartaero.com>

Subject: 646.9410 Shim

Lisa/Jacob,

You guys have introduced this laminated aluminum shim as part of our AS350 CCK kits for use when installing in conjunction with OEM fixed provisions. Seems like we're having a hard time sourcing this part and/or with its manufacturing (cutting this on the waterjet to 0.50" wide is far from ideal). Is this something you guys have in stock or can acquire easily? Also, is this a show stopper for all orders in WIP and others about to ship?

Please advise.

Thanks,
Marc

DAS
9
9-80

16-02-19.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES
DAA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE EXPRESS
WRITTEN PERMISSION OF APICAL INDUSTRIES DAA DART AEROSPACE IS PROHIBITED.

NOTES:

1 AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2 INSTALL F/N 14 WITH F/N 52 & 53.

3 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMMASTER-CARR P/N 75935A-651.

4 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5 REUSE FASTENERS FROM F/N 1.

6 USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8 INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE
SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78
SCREW IN PLACE OF F/N 17 SCREW.

9 NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY
REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 &
F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	AS27039-1-10	
1	1	1	77	646.9410	SHIM	AS27039-1-10	
	4	4	76	601.2764	WASHER	AS27039-1-10	
	2	2	75	601.2973	LOCKNUT	AS27039-1-10	
	2	2	74	601.2988	SCREW	AS27039-1-10	
	2	2	73	601.2943	LOCKNUT	AS27039-1-10	
	2	2	72	601.3128	NUT	AS27039-1-10	
	2	2	71	601.3209	LOCKNUT	AS27039-1-10	
	4	4	70	601.2638	WASHER	AS27039-1-10	
	2	2	69	601.2669	BOLT	AS27039-1-10	
	2	2	68	601.3119	CLEVIS	AS27039-1-10	
	2	2	67	601.3121	EYE BOLT	AS27039-1-10	
	2	2	66	650.9201	EYE BRACKET ASSY	AS27039-1-10	
REF	REF	REF	65	647.5701	GPS MOUNT KIT	AS27039-1-10	
		2	64	601.3151	WASHER	AS27039-1-10	
			63	601.2911	SCREW	AS27039-1-10	
	24	24	62	601.2637	SCREW	AS27039-1-10	
2	2	2	61	601.2763	BOLT	AS27039-1-10	
	1	1	60	646.3913	SHIM	AS27039-1-10	
	4	4	59	646.3912	SHIM	AS27039-1-10	
	1	1	58	646.3911	SHIM	AS27039-1-10	
	4	4	57	646.3910	SHIM	AS27039-1-10	
	5	5	56	600.1013	PRIMER	AS27039-1-10	
	8 FI	8 FI	55	600.0129	VHB TAPE	AS27039-1-10	
	1	1	54	600.1012	SEALANT	AS27039-1-10	
	1	1	53	600.0991	MAGNOROND 6398 PART B	AS27039-1-10	
	1	1	52	600.0990	MAGNOROND 6398 PART A	AS27039-1-10	
6	10	10	51	601.2826	BOLT	AS27039-1-10	
		2	50	646.3814	WIPER BRACKET	AS27039-1-10	
		2	49	601.2910	SCREW	AS27039-1-10	
2		2	48	601.1365	SCREW	AS27039-1-10	
2		2	47	646.3719	DOUBLER	AS27039-1-10	
	2	2	46	646.3718	CUSTOM WASHER	AS27039-1-10	
	1	1	45	646.3717	DOUBLER	AS27039-1-10	
	22	22	44	601.1948	SCREW	AS27039-1-10	
	2	2	43	601.1952	SCREW	AS27039-1-10	
	4	4	42	601.1956	SCREW	AS27039-1-10	
4006	4005	4004	4003	4002	4001	FIND #	PART #
							DESCRIPTION
							MATL
							SPEC.

REVIEWS			
REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECNS 02149, 02351, 02114 & 02165	02/08/2010	P. BRAYO
B	INCORPORATED ECN 03045, 03079 & 04131	11/04/2014	P. BRAYO
C	INCORPORATED ECN 05096	05/09/2015	For P. BRAYO